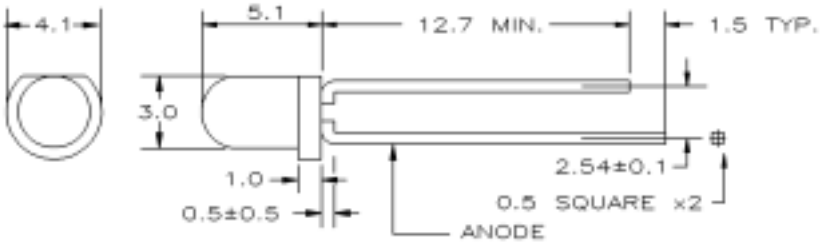
STANDARD LED LAMP

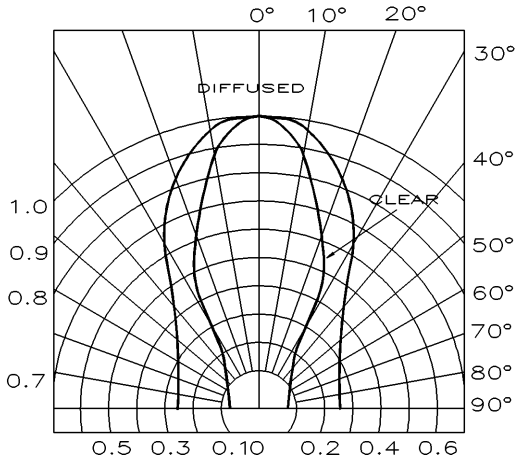
3mm ROUND TYPE SHORT LEAD Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	CHIP		LENS COLOR	IF = 20mA					
	MATERIAL	EMITTING COLOR		λ p (nm)	V_F (V)		I_V (mcd)		2 θ 1/2 (Deg.)
				TYP.	TYP.	MAX.	MIN.	TYP.	
LT03P1-22	GaP	Pure Green	G.D.	555	2.1	2.4	1	3	75
LT03P3-22	GaP	Pure Green	W.C.	555	2.1	2.4	5	10	50
LT03S1-22	GaP	STD. Green	G.D.	560	2.1	2.4	2	4	75
LT03S3-22	GaP	STD. Green	W.C.	560	2.1	2.4	6	10	50
LT0321-22	GaP	Green	G.D.	572	2.1	2.4	5	8.3	75
LT0323-22	GaP	Green	W.C.	572	2.1	2.4	17	28.4	50
LT0331-22	GaAsP	Yellow	Y.D.	589	2.1	2.4	4.2	7	75
LT0333-22	GaAsP	Yellow	W.C.	589	2.1	2.4	14.2	23.6	50
LT0341-22	GaAsP	Orange	O.D.	630	2.1	2.4	5.8	9.7	75
LT0343-22	GaAsP	Orange	W.C.	630	2.1	2.4	19.7	32.9	50
LT0341R-22	GaAsP	Orange	R.D.	630	2.1	2.4	5.8	9.7	75
LT0344R-22	GaAsP	Orange	R.C.	630	2.1	2.4	19.7	32.9	50
LT0311-22	GaP	Red	R.D.	700	2.1	2.4	1.1	1.8	75
LT0313-22	GaP	Red	W.C.	700	2.1	2.4	3.7	6.1	50

Package Dimensions



Radiation Pattern

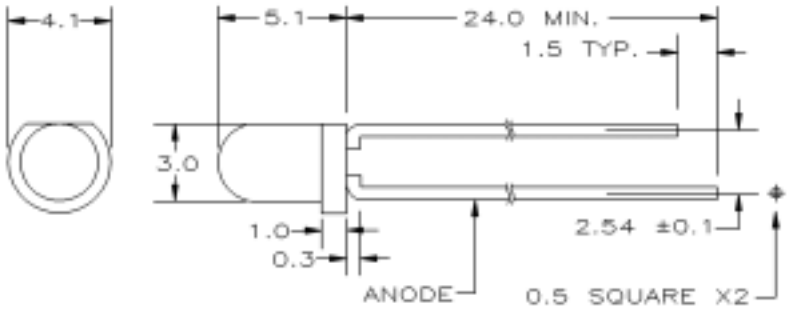


STANDARD LED LAMP

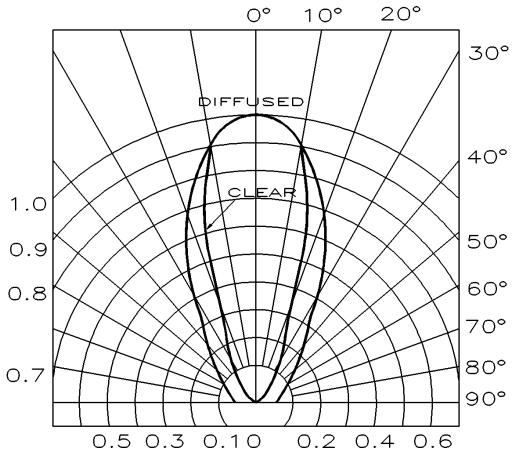
3mm ROUND TYPE LONG LEAD Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	CHIP		LENS COLOR	IF = 20mA					
	MATERIAL	EMITTING COLOR		λ p (nm)	V_F (V)		I_V (mcd)		2 θ 1/2 (Deg.)
				TYP.	TYP.	MAX.	MIN.	TYP.	
LT03P1-41	GaP	Pure Green	G.D.	555	2.1	2.4	2	5	55
LT03P3-41	GaP	Pure Green	W.C.	555	2.1	2.4	9	15	35
LT03S1-41	GaP	STD. Green	G.D.	560	2.1	2.4	3	5	55
LT03S3-41	GaP	STD. Green	W.C.	560	2.1	2.4	9	15	35
LT0321-41	GaP	Green	G.D.	572	2.1	2.4	8	13.3	55
LT0323-41	GaP	Green	W.C.	572	2.1	2.4	27	45	35
LT0331-41	GaAsP	Yellow	Y.D.	589	2.1	2.4	6.6	11	55
LT0333-41	GaAsP	Yellow	W.C.	589	2.1	2.4	22.6	37.6	35
LT0341-41	GaAsP	Orange	O.D.	630	2.1	2.4	9.3	15.5	55
LT0343-41	GaAsP	Orange	W.C.	630	2.1	2.4	31.7	52.9	35
LT0341R-41	GaAsP	Orange	R.D.	630	2.1	2.4	9.3	15.5	55
LT0344R-41	GaAsP	Orange	R.C.	630	2.1	2.4	31.7	52.9	35
LT0311-41	GaP	Red	R.D.	700	2.1	2.4	1.6	2.7	55
LT0313-41	GaP	Red	W.C.	700	2.1	2.4	5.5	9.2	35

Package Dimensions

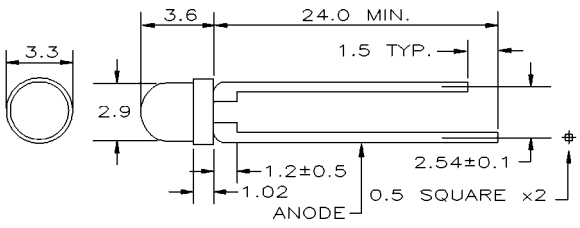
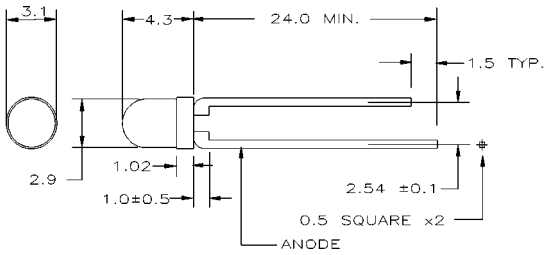
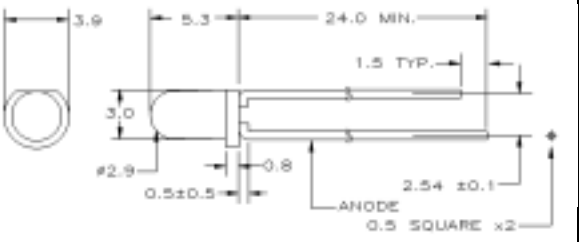


Radiation Pattern

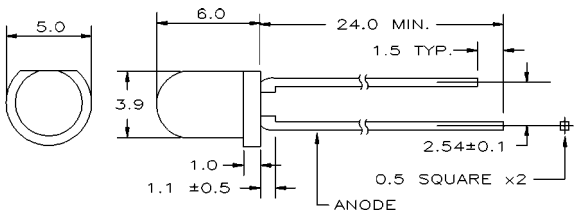


Ledtech STANDARD LED LAMP

3mm ROUND TYPE Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT5021-41	Green	G.D.	572	2.1	5	100	
LT5031-41	Yellow	Y.D.	589	2.1	4	100	
LT5041-41	Orange	O.D.	630	2.1	6	100	
LT5041R-41	Orange	R.D.	630	2.1	6	100	
LT6321-41	Green	G.D.	572	2.1	15	55	
LT6331-41	Yellow	Y.D.	589	2.1	12	55	
LT6341-41	Orange	O.D.	630	2.1	17	55	
LT6341R-41	Orange	R.D.	630	2.1	17	55	
LT8321-41	Green	G.D.	572	2.1	13.5	35	
LT8331-41	Yellow	Y.D.	589	2.1	11.0	35	
LT8341-41	Orange	O.D.	630	2.1	15.5	35	
LT8341R-41	Orange	R.D.	630	2.1	15.5	35	

4mm ROUND TYPE Electrical/Optical Characteristics at T_A=25℃

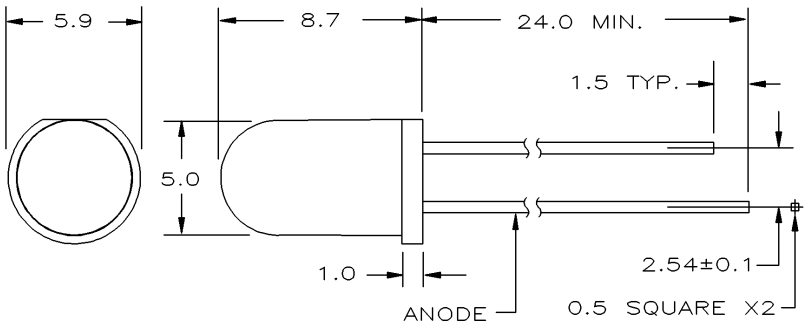
PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT0421-41	Green	G.D.	572	2.1	4	40	
LT0431-41	Yellow	Y.D.	589	2.1	3	40	
LT0441-41	Orange	O.D.	630	2.1	4	40	
LT0441R-41	Orange	R.D.	630	2.1	4	40	
LT0411-41	Red	R.D.	700	2.1	1	40	

STANDARD LED LAMP

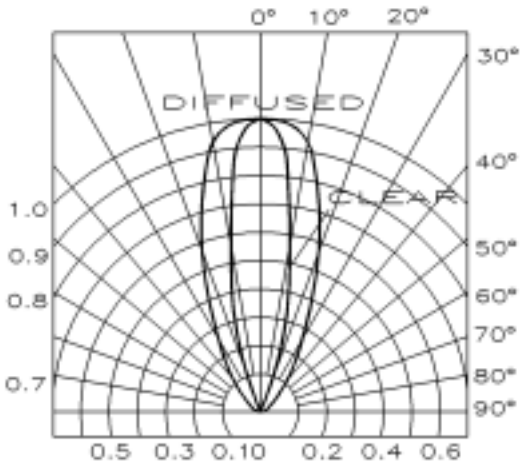
5mm ROUND TYPE Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	CHIP		LENS COLOR	IF＝20mA					
	MATERIAL	EMITTING COLOR		λ p (nm)	V_F (V)		I_V (mcd)		2 θ 1/2 (Deg.)
				TYP.	TYP.	MAX.	MIN.	TYP.	
LT18P1-81	GaP	Pure Green	G.D.	555	2.1	2.4	3	5	45
LT18P3-81	GaP	Pure Green	W.C.	555	2.1	2.4	11	19	20
LT18S1-81	GaP	STD. Green	G.D.	560	2.1	2.4	4	6	45
LT18S3-81	GaP	STD. Green	W.C.	560	2.1	2.4	11	19	20
LT1821-81	GaP	Green	G.D.	572	2.1	2.4	12	20	45
LT1823-81	GaP	Green	W.C.	572	2.1	2.4	40.9	68.1	20
LT1831-81	GaAsP	Yellow	Y.D.	589	2.1	2.4	9.8	16.4	45
LT1833-81	GaAsP	Yellow	W.C.	589	2.1	2.4	33.5	55.8	20
LT1841-81	GaAsP	Orange	O.D.	630	2.1	2.4	13.9	23.1	45
LT1843-81	GaAsP	Orange	W.C.	630	2.1	2.4	47.3	78.8	20
LT1841R-81	GaAsP	Orange	R.D.	630	2.1	2.4	13.9	23.1	45
LT1844R-81	GaAsP	Orange	R.C.	630	2.1	2.4	47.3	78.8	20
LT1811-81	GaP	Red	R.D.	700	2.1	2.4	2.5	4.1	45
LT1813-81	GaP	Red	W.C.	700	2.1	2.4	8.4	14.0	20

Package Dimensions

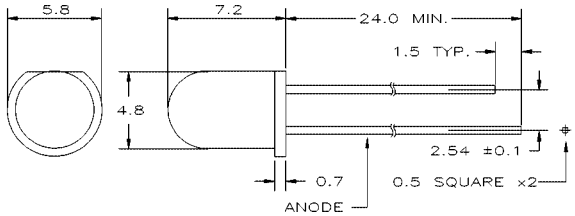
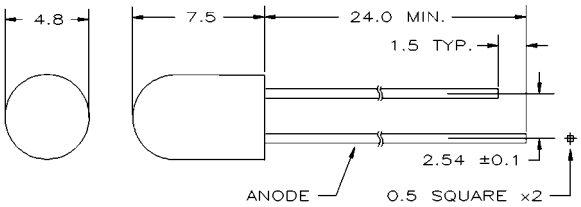
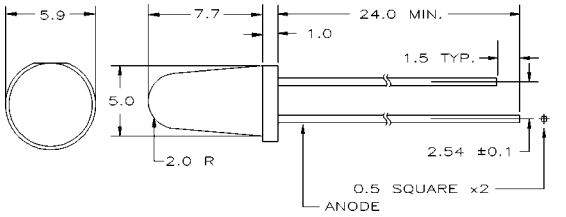
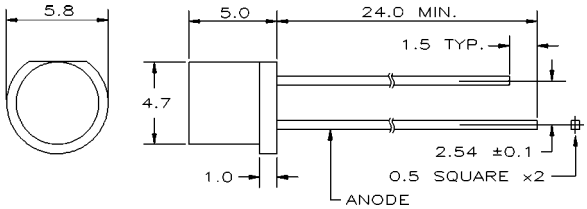
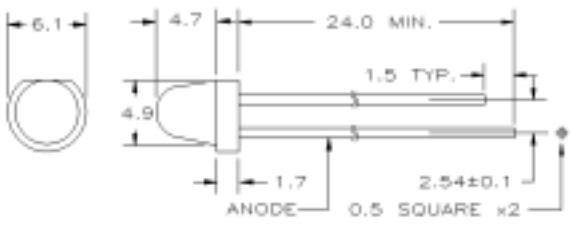


Radiation Pattern



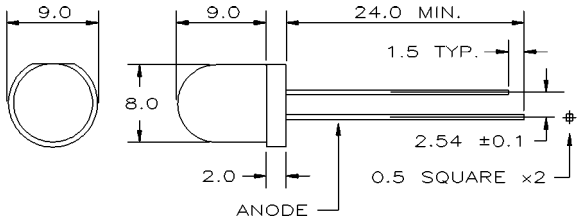
Ledtech STANDARD LED LAMP

5mm ROUND TYPE Electrical/Optical Characteristics at T_A=25℃

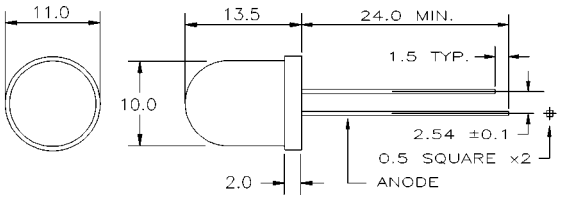
PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT0521-81	Green	G.D.	572	2.1	13	45	
LT0531-81	Yellow	Y.D.	589	2.1	11	45	
LT0541R-81	Orange	R.D.	630	2.1	16	45	
LT0511-81	Red	R.D.	700	2.1	3	45	
LT6421-81	Green	G.D.	572	2.1	20.0	40	
LT6431-81	Yellow	Y.D.	589	2.1	16.4	40	
LT6441R-81	Orange	R.D.	630	2.1	23.1	40	
LT6411-81	Red	R.D.	700	2.1	4.1	40	
LT8621-81	Green	G.D.	572	2.1	20	40	
LT8631-81	Yellow	Y.D.	589	2.1	16	40	
LT8641R-81	Orange	R.D.	630	2.1	23	40	
LT8611-81	Red	R.D.	700	2.1	4	40	
LT9521-81	Green	G.D.	572	2.1	5	100	
LT9531-81	Yellow	Y.D.	589	2.1	5	100	
LT9541R-81	Orange	R.D.	630	2.1	6	100	
LT9511-81	Red	R.D.	700	2.1	2	100	
LT4D21-81	Green	G.D.	572	2.1	24	40	
LT4D31-81	Yellow	Y.D.	589	2.1	13	40	
LT4D41R-81	Orange	R.D.	630	2.1	33	40	
LT4D11-81	Red	R.D.	700	2.1	6	40	

Ledtech STANDARD LED LAMP

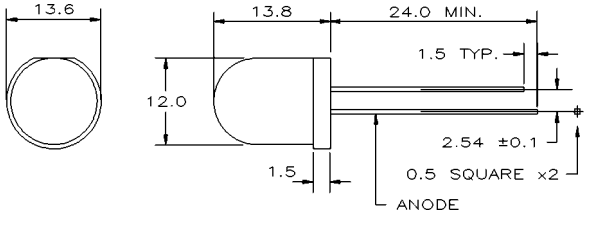
8mm ROUND TYPE Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT9821-81	Green	G.D.	572	2.1	20	40	
LT9831-81	Yellow	Y.D.	589	2.1	15	40	
LT9841-81	Orange	O.D.	630	2.1	25	40	
LT9841R-81	Orange	R.D.	630	2.1	25	40	

10mm ROUND TYPE Electrical/Optical Characteristics at T_A=25℃

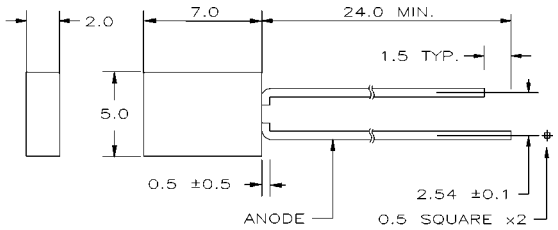
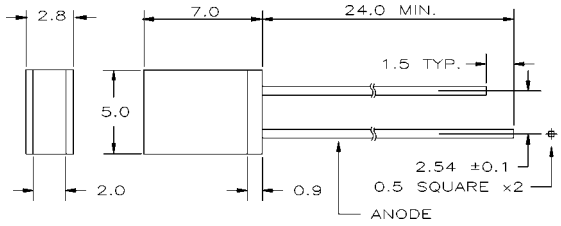
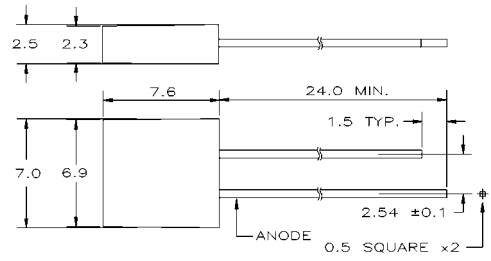
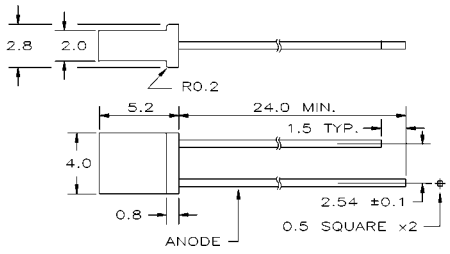
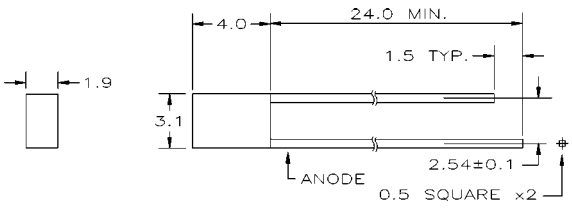
PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT3321-81	Green	G.D.	572	2.1	17	35	
LT3331-81	Yellow	Y.D.	589	2.1	14	35	
LT3341-81	Orange	O.D.	630	2.1	20	35	
LT3341R-81	Orange	R.D.	630	2.1	20	35	

12mm ROUND TYPE Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT2N21-81	Green	G.D.	572	2.1	17	60	
LT2N31-81	Yellow	Y.D.	589	2.1	14	60	
LT2N41-81	Orange	O.D.	630	2.1	20	60	
LT2N41R-81	Orange	R.D.	630	2.1	20	60	

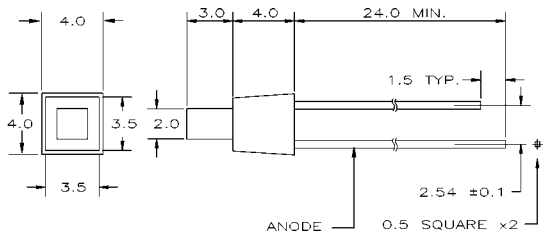
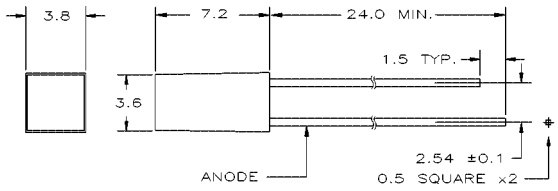
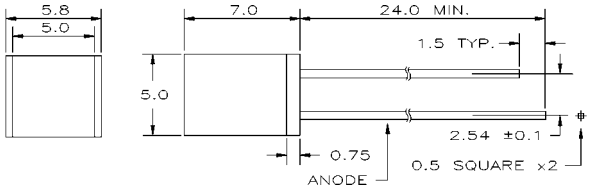
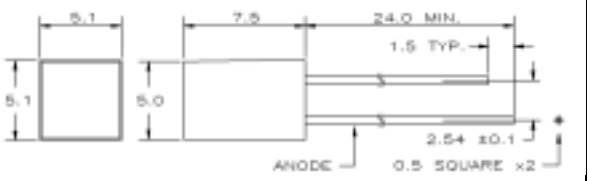
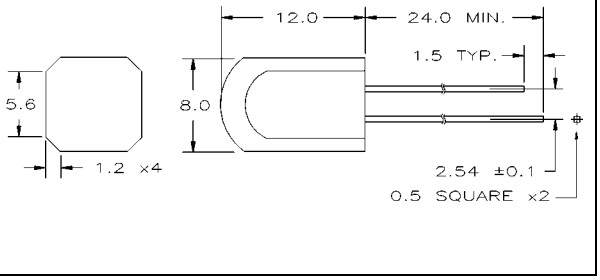
STANDARD LED LAMP

RECTANGULAR TYPE Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT5221-41	Green	G.D.	572	2.1	5.2	85	
LT5231-41	Yellow	Y.D.	589	2.1	4.3	85	
LT5241-41	Orange	O.D.	630	2.1	6.1	85	
LT5241R-41	Orange	R.D.	630	2.1	6.1	85	
LT5211-41	Red	R.D.	700	2.1	2.0	85	
LT5321-41	Green	G.D.	572	2.1	5	90	
LT5331-41	Yellow	Y.D.	589	2.1	4	90	
LT5341-41	Orange	O.D.	630	2.1	6	90	
LT5341R-41	Orange	R.D.	630	2.1	6	90	
LT5311-41	Red	R.D.	700	2.1	2	90	
LT7121-81	Green	G.D.	572	2.1	6	80	
LT7131-81	Yellow	Y.D.	589	2.1	5	80	
LT7141-81	Orange	O.D.	630	2.1	7	80	
LT7141R-81	Orange	R.D.	630	2.1	7	80	
LT7111-81	Red	R.D.	700	2.1	3	80	
LT2T21E-81	Green	G.D.	572	2.1	10	120	
LT2T31E-81	Yellow	Y.D.	589	2.1	8	120	
LT2T41E-81	Orange	O.D.	630	2.1	12	120	
LT2T41RE-81	Orange	R.D.	630	2.1	12	120	
LT2T11E-81	Red	R.D.	700	2.1	4	120	
LT4S21-41	Green	G.D.	572	2.1	5.3	110	
LT4S31-41	Yellow	Y.D.	589	2.1	4.4	110	
LT4S41-41	Orange	O.D.	630	2.1	6.2	110	
LT4S41R-41	Orange	R.D.	630	2.1	6.2	110	
LT4S11-41	Red	R.D.	700	2.1	1.1	110	

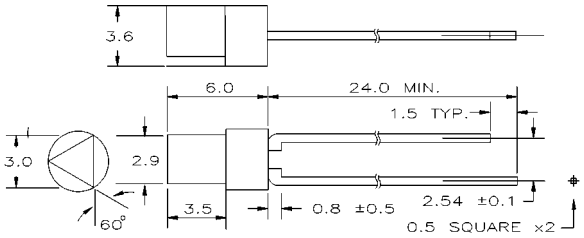
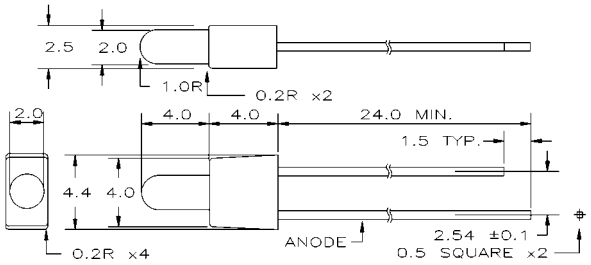
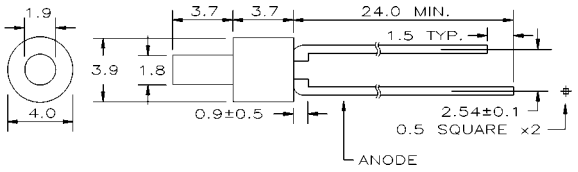
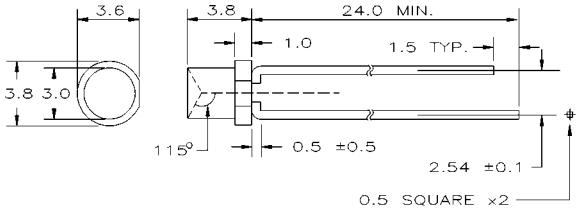
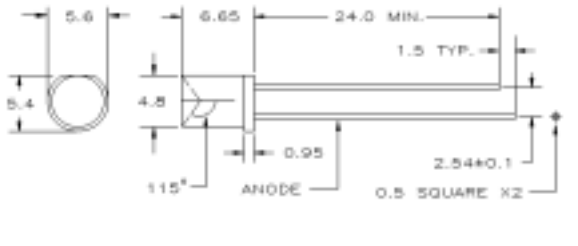
STANDARD LED LAMP

SQUARE TYPE Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT7821-81	Green	G.D.	572	2.1	5	100	
LT7831-81	Yellow	Y.D.	589	2.1	4	100	
LT7841-81	Orange	O.D.	630	2.1	6	100	
LT7841R-81	Orange	R.D.	630	2.1	6	100	
LT8121E-41	Green	G.D.	572	2.1	7	85	
LT8131E-41	Yellow	Y.D.	589	2.1	6	85	
LT8141E-41	Orange	O.D.	630	2.1	8	85	
LT8141RE-41	Orange	R.D.	630	2.1	8	85	
LT1921-81	Green	G.D.	572	2.1	5	90	
LT1931-81	Yellow	Y.D.	589	2.1	4	90	
LT1941-81	Orange	O.D.	630	2.1	6	90	
LT1941R-81	Orange	R.D.	630	2.1	6	90	
LT4C21-81	Green	G.D.	572	2.1	5	90	
LT4C31-81	Yellow	Y.D.	589	2.1	4	90	
LT4C41R-81	Orange	O.D.	630	2.1	6	90	
LT4C41R-81	Orange	R.D.	630	2.1	6	90	
LT9621-81	Green	G.D.	572	2.1	20	30	
LT9631-81	Yellow	Y.D.	589	2.1	16	30	
LT9641-81	Orange	O.D.	630	2.1	23	30	
LT9641R-81	Orange	R.D.	630	2.1	23	30	

STANDARD LED LAMP

SPECIAL TYPE Electrical/Optical Characteristics at T_A=25℃

PART NUMBER	EMITTING COLOR	LENS COLOR	IF = 20mA				PACKAGE DIMENSION
			λp (nm)	V_F (V)	I_V (mcd)	2θ 1/2 (Deg.)	
			TYP.	TYP.	TYP.		
LT3S21-41	Green	G.D.	572	2.1	7	80	
LT3S31-41	Yellow	Y.D.	589	2.1	6	80	
LT3S41-41	Orange	O.D.	630	2.1	8	80	
LT3S41R-41	Orange	R.D.	630	2.1	8	80	
LT2P21-81	Green	G.D.	572	2.1	12	65	
LT2P31-81	Yellow	Y.D.	589	2.1	10	65	
LT2P41-81	Orange	O.D.	630	2.1	13	65	
LT2P41R-81	Orange	R.D.	630	2.1	13	65	
LT4V21-41	Green	G.D.	572	2.1	7	95	
LT4V31-41	Yellow	Y.D.	589	2.1	6	95	
LT4V41-41	Orange	O.D.	630	2.1	8	95	
LT4V41R-41	Orange	R.D.	630	2.1	8	95	
LT1U23-41	Green	W.C.	572	2.1	23	80	
LT1U33-41	Yellow	W.C.	589	2.1	20	80	
LT1U43-41	Orange	W.C.	630	2.1	27	80	
LT1U44R-41	Orange	R.C.	630	2.1	27	80	
LT3V23-81	Green	G.D.	572	2.1	36	125	
LT3V33-81	Yellow	Y.D.	589	2.1	29	125	
LT3V43-81	Orange	O.D.	630	2.1	41	125	
LT3V44R-81	Orange	R.D.	630	2.1	41	125	